

	1.0.0				1.3.0			
Models	1.0.0	rotations	rotations_sym	sym	1.3.0	rotations	rotations_sym	sym
Instance 1	0.57	0.73	0.87	0.60	0.62	0.33	0.66	0.33
Instance 2	0.28	0.53	0.59	0.57	0.53	0.31	0.46	0.29
Instance 3	0.26	0.52	0.62	0.52	0.50	0.29	0.40	0.30
Instance 4	0.26	0.52	0.90	0.53	0.50	0.28	0.34	0.29
Instance 5	0.29	0.57	1.17	0.54	0.50	0.29	0.38	0.31
Instance 6	0.33	0.67	1.90	0.56	0.51	0.38	0.44	0.32
Instance 7	0.31	0.84	1.65	0.57	0.52	0.65	0.36	0.32
Instance 8	0.32	0.70	0.86	0.65	0.54	0.70	0.41	0.35
Instance 9	0.32	0.96	1.26	0.61	0.59	0.36	0.37	0.35
Instance 10	0.36	26.05	61.74	1.05	0.61	0.50	0.44	0.41
Instance 11	0.00	0.00	0.00	0.00	55.84	150.08	133.78	42.41
Instance 12	0.98	0.00	135.53	1.11	0.63	1.44	0.81	0.48
Instance 13	0.89	19.52	13.36	1.09	0.70	0.88	0.65	0.52
Instance 14	3.01	264.99	0.00	1.59	0.94	72.59	1.16	0.74
Instance 15	0.45	1.05	31.92	1.97	0.76	32.46	0.78	0.79
Instance 16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Instance 17	11.80	0.00	0.00	7.52	1.26	187.57	2.20	1.11
Instance 18	0.85	0.00	0.00	99.53	1.11	0.00	5.74	2.12
Instance 19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Instance 20	157.27	0.00	0.00	99.36	45.46	0.00	61.07	29.20
Instance 21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Instance 22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Instance 23	0.00	0.00	0.00	17.50	0.00	0.00	0.00	7.99
Instance 24	0.00	34.42	0.00	38.66	1.56	0.00	17.89	1.93
Instance 25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Instance 26	135.82	0.00	0.00	0.00	35.25	0.00	0.00	61.01
Instance 27	184.21	0.00	0.00	0.00	2.41	0.00	223.53	2.80
Instance 28	2.73	0.00	0.00	219.97	8.74	0.00	0.00	80.35
Instance 29	68.30	0.00	0.00	0.00	2.45	0.00	0.00	215.41
Instance 30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Instance 31	3.48	0.00	242.81	0.00	4.15	0.00	9.55	1.65
Instance 32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Instance 33	135.10	0.00	0.00	58.29	4.89	291.90	4.72	2.77
Instance 34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Instance 35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Instance 36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Instance 37	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Instance 38	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Instance 39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Instance 40	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Solve instances	23	14	14	21	25	17	22	26
Average Solved (s)	30.79	25.15	35.37	26.32	6.86	43.59	21.19	17.48
Total time (s)	708.20	352.07	495.19	552.82	171.56	741.02	466.13	454.53

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RS

Solver

Time out

Optimization level

10

Chuffed

300s

Default

0.36	26.05	61.74	1.05
0.00	0.00	0.00	0.00
0.98	0.00	135.53	1.11
0.89	19.52	13.36	1.09
3.01	264.99	0.00	1.59
0.45	1.05	31.92	1.97
0.00	0.00	0.00	0.00
11.80	0.00	0.00	7.52
0.85	0.00	0.00	99.53
0.00	0.00	0.00	0.00

7	4	4	7
2.62	77.90	60.64	16.27
18.34	311.61	242.55	113.87

0.61	0.50	0.44	0.41
55.84	150.08	133.78	42.41
0.63	1.44	0.81	0.48
0.70	0.88	0.65	0.52
0.94	72.59	1.16	0.74
0.76	32.46	0.78	0.79
0.00	0.00	0.00	0.00
1.26	187.57	2.20	1.11
1.11	0.00	5.74	2.12
0.00	0.00	0.00	0.00

8	7	8	8
7.73	63.65	18.19	6.07
61.85	445.52	145.55	48.58